

Cupola With Continuous Slit Tuyeres and Controlled
Blast, by H. A. Akan'in et al.

RUSSIAN, per, Lit Proiz, No 1, 1956, pp 10-12.

Co-Op Trans Sch Tr 335
Fl.4s.

Sci - Engr
Jul 57

48,178

Making Shell Molds by Chemical Curing, by B. Yu.
Feigel'son.

RUSSIAN, per, Lit. Proiz, No 2, 1956, pp 3-5.

HB 4114

Sci - Min/Met

Oct 60

Turbovskii, M. M.
THE MECHANISM OF THE LIQUID MODIFICATION
PROCESS. [1961] 5p
Order from ATS \$7.75

ATS-06N56R

Trans. of L'atinoe Proizvodstvo (USSR) 1956, no. 2,
p. 15-16.

DESCRIPTORS: *Liquid metals, Processing, Liquids.

RJ-3344

(Metallurgy, TT, v. 7, no. 4)

62-12163

- I. Turbovskii, M. M.
- II. ATS-06N56R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Dynamics of Casting Hardening, by I. D. Semikin et al.

RUSSIAN, no per, Lit Proiz, No 2, 1956, pp 16-22.

ACHIB
Co-Op Trans Sch Tr 254
£1.15s. (7s.0d.)

Sci - Min/metals

44, 464

Analytical Solutions of the Simplest Problems
Concerning the Solidification of Castings of
Various Shapes, by N. G. Girshovich, et al.

RUSSIAN, no per, Lit Proiz, ~~225~~ No 3, 1956,
pp 14-18.

Co-Op Tr Sch Tr 265
£1.10s.

Sci. - Min/metals

42,278

Growth of Gray Cast Iron, by F. N. Tavadze, I. A.
Bairamashvili

RUSSIAN, per, Lit Proiz, No 5, 1956, pp 15-18.

Brutoher No 3815
\$6.40

Sci. - Min./Metals
Jan 57 CTS

42,892

Processes of Forming Metal Under Pressure
in the Liquid and Plastic State and Their
Development, by V. M. Flyatskiy. UNCL

RUSSIAN, per, Lit Prois, No 6, 1956, pp 7-11.

NLL M. 6338

BIBI 1384

(15. 15a. 08.)

Sci - Min/Met
Jun 60

117,233

Crystallization of Liquid Steel Under Pressure, by
P. N. Bidulya, I. I. Bobrov, K. N. Smirnova.

RUSSIAN, Izv, Lit Proiz, No 7, 1956, pp 1-4.

SLA 60-16496

Sci

Dec 60

OTA Vol IV, No 4

134,507

Small-Scale Mechanization in the Grey-Iron Foundry,
by V. A. Grachev.

to GERMAN,
RUSSIAN, per, Lit Proiz, No 9, 1956, pp 15, 16.

ID-U 697

Institut fuer Dokumentation-
Übersetzungsnachweis
Berlin, W.8
■ Unter den Linden 8

Dec 59

Heat Transfer in Steels, by B. B. Kuprovskiy.
RUSSIAN, per, Litaynaya Proizvodstvo, Vol 9,
1956, pp 16-18.
*CFSTI TT 70-59118

Sci-
June 70

Inspection of Castings With Radioisotopes [Gamma
Ray], by B. B. Gulyayev, L. G. D'mina.

RUSSIAN, per: *Nauchno Proizvodstvo*, No 9, Sept
1956, pp 18-20.

Brutcher Tr 4078
\$3.65

Bcl - Min/Mst

Apr 58

61, 430

Rutman, M. M.
SOLUCION DE SILICATO SODICO COMO MEDIO
PARA LUCHAR CONTRA LAS CONTRACCIONES DE
LA FUNDICION DE HIERRO (Zhidkoe Steklo, kak
Sredstvo Bor'by s Uzhimleniemi na Chugunnykh Otilivkakh)
(Utilisation of Sodium Silicate Solution in the Prevention
of Cast Iron Contractions). 9p. CID: 62-263.
Order from CTS, ETC or CID \$0.80 62-29263

Trans. in Spanish of Litetsnoe Proizvodstvo (USSR) 1956,
no. 10, p. 29-30.

DESCRIPTORS: *Sodium compounds, *Silicates,
*Iron alloys, Castings.

(Metallurgy, TT, v. 10, no. 8)

62-29263

- I. Rutman, M. M.
- II. CID-62-263
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Maloi, S. A.
COQUILLA MULTIPLE CON MECANISMO PARA
CORTE DE COLADA (Mnogomestnyi Kokil's Mekha-
nizm dlya Sreznaniya Litnikov) (Multiple Chili-mould
for Batch Cut-off). (p. CID: 62-274.
Order from OTS, ETC or CID \$0.80 62-29274

Trans. in Spanish of Litelnoe Proizvodstvo (USSR) 1956,
no. 11, p. 18.

DESCRIPTORS: *Molding, Casting.

(Metallurgy, TT, v. 10, no. 8)

62-29274

- I. Maloi, S. A.
- II. CID-62-274
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Ryzhikov, A. A.
SOBRE LA CRITICA DE LOS METODOS DE CALCULO
DE MAZAROTAS (K Kritike Metodov Rascheta Prib'yel)
(Criticism of Methods Employed in Dead-Head Deter-
mination). 16p. 15 refs. CID: 62-275.
Order from OTS, ETC or CID \$0.80 62-29275

Trans. in Spanish of Liteinoe Proizvodstvo (USSR) 1956,
no. 11, p. 30-32.

DESCRIPTORS: Determination, *Castings.

(Metallurgy, TT, v. 10, no. 8)

62-29275

I. Title: Dead-head deter-
mination

I. Ryzhikov, A. A.

II. CID-62-275

III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Methods of Measuring the Temperatures of Parts Rotating
at High Speeds, by B. A. Furs.

RUSSIAN, per, Lit Froiz, No 12, 1956, p 19.

Co-op Tr Sch Tr 420

Sci - Physics
Mar 58

59,348

Study of Desulfurization of Cupola Iron With
Magnesium [in Ladle], by V. I. Lakomskiy.

RUSSIAN, per, Liteinye Proizvodstvo, No 1, Jan
1957, pp 9-11.

Henry Brutscher
Tr 3946
\$4.85

Sci - Chem
Aug 57

50,706

Pollayuk, E. P.
SECADO DE MOLDES DE FUNDICION CON RAYOS
INFRARROJOS (Sushka Liteynykh Form Inftrakrasnykh-
Luchami) (Infrared Foundry Mold Drying). 6p. CID:
62-273

Order from OTS, ETC or CID \$0.80 62-29273

Trans. in Spanish of Litelnoc Proizvodstvo (USSR) 1957,
no. 2, p. 1.

DESCRIPTORS: *Infrared radiation, Castings, *Molding

(Metallurgy, TT, v. 10, no. 8)

62-29273

- I. Pollayuk, E. P.
- II. CID-62-273
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Kantor, M. M., Biryukova, E. V. and others
ESTUDIO DEL REGIMEN DE RECOCIDO DE PIEZAS
DE FUNDICIÓN GRIS (Issledovanie Rezhima Otzhiga
Otlivok iz Seroogo Chuguna) (Study of the Annealing
Rate of Grey-Iron Parts). 12p. CID: 62-271.
Order from OTS, ETC or CID \$0.80 62-29271

Trans. in Spanish of Liteinoe Proizvodstvo (USSR) 1957,
no. 2, p. 17-18.

DESCRIPTORS: *Iron alloys, Castings, Heat treatment.

(Metallurgy, TT, v. 10, no. 8)

62-29271

- I. Kantor, M. M.
- II. Biryukova, E. V.
- III. CID-62-271
- IV. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Korotkov, V. G.
DESGASIFICACION DE ALBACIONES DE ALUMINIO
CON CORRIENTE CONTINUA A BAJA PRESION (De-
gazatsiya Aluminiyevykh Splavov Postoyannym Tokom
pri Pnizhennom Davlenii) (Degasification of Aluminum
Alloys with Low Pressure Direct Current). 15p. 1 ref.
CID: 62-272.

Order from OTS, ETC or CID \$0.80 62-29272

Trans. in Spanish of Litinoe Proizvodstvo (USSR) 1957,
no. 2, p. 20-22.

DESCRIPTORS: *Aluminum alloys, *Degasification,
Direct current, Low pressure research.

(Metallurgy, TT, v. 10, no. 8)

62-29272

- I. Korotkov, V. G.
- II. CID-62-272
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Formation of Blowholes in Surface of Castings
of Magnesium-Treated Cast Iron, by A. D.
Ushakov.

RUSSIAN, per, Lit Proiz, No 3, Mar 1957,
pp 19-20.

X Bratcher Tr 4291
\$2.35

chem
Sci - ~~Met~~

Sep 58

72,594

Sevost'yanov, N. D. and Devkin, M. M.
CONSTRUCCION DE TOBERAS PARA CHORRO DE
ARENA (Konstruktivna Pezkostruino Sople) (Sand-
blasting Tuyere Construction). 10p. 11 refs. CID:
62-270.
Order from OTS, ETC or CID \$0.80 62-29270

Trans. in Spanish of Libeinoe Proizvodstvo (USSR) 1957,
no. 3, p. 27-29.

DESCRIPTORS: *Sandblasting, Nozzles, Fuel injection.

(Metallurgy, TT, v. 10, no. 8)

62-29270

- I. Sevost'yanov, N. D.
- II. Devkin, M. M.
- III. CID-62-270
- IV. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Lunker und Porositaet in Gussstuecken, by I. B. Kumanin, (unpubl tr).

RUSSIAN to GERMAN, per, Lit Proiz, No 4, 1957, pp 18-23; No 7, pp 17-21.

IDU 690
Institut fuer Dokumentation
Uebersetzungsnachweis
Berlin, W.8.
Unter den Linden 8

Apr 60

Nonmetallic Inclusions in Spheroidal Graphite Cast
Iron, by P. P. Arsent'ev, Yu. Ya. Orlova.

RUSSIAN, per, Litainoe Proizvodstvo, No 4, April
1957, pp 23-4.

Brutcher Tr 4096

\$3.40
a
b

Sci - Min/Mat

Apr 58

61, 440

The Influence of Coke Properties on the Process of
Melting Iron in the Cupola, by A. M. Strukov.
UNCLASSIFIED

RUSSIAN, per, Lit Prois, Vol V, 1977, pp 17-20

*DSIR/TKL 102

Sci. - Min/Met

Co-op Tr Scheme 568

Nov 58

SLA 60-17453

82,028

Verbesserung der Giesstechnologie von Graugusskolben,
by P. A. Karkanin. (unpubl tr)

RUSSIAN to GERMAN, per, Lit Proiz, No 5, 1957, pp 12-14.

IDU
Institut fuer Dokumentation
Übersetzungsnachweis
Berlin, W.8
Unter den Linden 8

Apr 60

Improved Density and Structural Uniformity
of Castings (By Vibration), by A. A.
Ryzhikov, et al.

RUSSIAN, per, Lit Proiz, No 5, 1957,
pp 20-22.

HB 4910

Sci - Engr

Jan 62

178,319

A Complex Method of Investigating Metal Properties,
by V. P. Chernobrovkin.

RUSSIAN, per, Lit Proiz, No 5, 1957, pp 22-24.

Co-op Tr Sch Tr ~~442~~ 442✓

Sci - Min/mat
Mar 58

60,174

Der Einfluss der Gluehtemperatur auf die Form der
Graphiteinschluesse im Termperguss, by G. I.
Ivantsov. (unpubl tr)

per
RUSSIAN to GERMAN, /Lit Proiz, No 5, 1957, pp 25-26.

IDU 688
Institut fuer Dokumentation
Übersetzungsnachweis
Berlin, W.8
Unter den Linden 8

Apr 60

Centrifugal Casting of Double-Flange Cast-Iron
Pipe, by M. M. Levin, V. M. Krapukhin.

RUSSIAN, per, Litainoo Proisvoetstvo, No 6,
1957, pp 1-4.

HB 4272

Sci. & Eng.

Nov 59

100,356

The Formation of Burn-on on Steel Castings, by
B. E. Gulyayev, Yu. F. Borovskiy. UNCL

RUSSIAN, Engl, Lit Froiz, No 6, 1957, pp 5-7.

DAIR LLU RTS 1239

(Ts. 6d.)

Sci - Engl
Dec 59

102,500

The Production of Aluminium Alloy Castings.
Blanks, for Cars by Pressure Die Casting,
by T. I. Orlova. UNCLASSIFIED

RUSSIAN, per, Lit Prois, No 6, 1957, p 7.

Co-Op Tr Sch
Tr 468

Sol - Ingr
Sop 50

73, 921

Manufacturing Automobile Cylinder Blocks From
Pressure Cast Aluminum Alloy, by T. I. Orlova, 4 pp.

RUSSIAN, per, Lit Proiz, No 6, 1957, pp 7, 8.
9660796

ATIC F-TS-9892

Sci - Eng

May 61

150,199

Surface Alloying of Profiled Castings, by A. M.
Mikhaylov, M. I. Serebryakov, 14 pp.

RUSSIAN, per, Lit Proiz, No 6, 1957, pp 18-22.
9660/96

ATIC P-TB-9892

Sci. Engr

May 61

150,198

Verwendung von Zirkonsand im Giessereiwesen, by L. M.
Marienbakh, L. O. Sokolovskiy. (unpubl tr)

RUSSIAN to GERMAN, per, Lit Proiz, No 7, 1957,
pp 28-30.

IDU 694
Institut fuer Dokumentation
Übersetzungsnachweis
Berlin, W.8
Unter den Linden 8

Apr 60

On the Theory and Practice of Centrifugal Casting,
by B. I. Loshkarev.

RUSSIAN to GERMAN, per, Lit Proiz, No 8, 1957,
pp 1-6.

ID-U 710

Institut fuer Dokumentation-
Übersetzungsnachweis
Berlin, W 8
Unter den Linden 8

Dec 59

Authentication of Cupola Charging and Stockline Control With the Use of Radiisotopes, by G. K. Miroshnichenko.

RUSSIAN, per, Lit Proiz, No 8, Aug 1957, pp 14, 15.

Henry Bratcher 4341
\$3.75

Sci - Eng
Oct 58

75, 722

Solubility of Magnesium in Cast Iron, by A. F. Landa.

RUSSIAN, per, Lit'sinoe Proizvodstvo, No 8, Aug 1957,
pp 27-29.

Butcher Tr 4070
\$4.90

Sci - Min/Met

Apr 58

61,431

Magnesium Treatment of Low-Sulphur Basic-Catalyst
Iron, by G. I. Kletskii.

RUSSIAN, per, Lit Proizv, Vol IX, No 3, 1957,
pp 21-26.

Henry Bratcher 4303
\$9.45

Sci - Engr
Oct 58

74, 855

Malinochka, Ya. N.
 PHASE TRANSFORMATIONS AND INTRACRYSTAL-
 LINE LIQUATION IN IRON CARBON SILICON
 ALLOYS (Pazovye Sostoyaniya i Vnutrikristallicheskaya
 Likvatsiya v Fe - C - Si Splavakh). [1961] [13]p.
 (foreign text included) 6 refs.
 Order from OTS or SIA \$1.60

61-18911

Trans. of Liteinoe Proizvodstvo (USSR) 1957, no. 10,
 p. 19-22.

DESCRIPTORS: *Iron, *Carbon, *Silicon, *Alloys,
 *Phase transitions, Microstructure, Iron castings,
 Cast iron, Eutectics, Ferrites, Austenite, Graphite,
 Cooling, Pearlite, Crystal structure.

A study of micro and macrostructure of a large number
 of iron castings indicated that the distribution of the
 ferritic matrix is not uniform in eutectic and hyper-
 eutectic grey cast irons. Areas rich in ferrite are dis-
 (Metallurgy Structural, TT. v. 6, no. 10) (over)

1. Title: Cementite structures
 1. Malinochka, Ya. N.

Office of Technical Services

Nonmetallic Inclusion in Magnesium-Treated Iron
/for Rolling Mill Rolls/, by A. N. Krivosheyev,
I. E. Lev.

RUSSIAN, per, Liteinoe Proizvodstvo, No 11, 1957,
pp 18, 19.

Bruteber Tr 4094
\$4.80

Sci - Min/Met, Chem

Jun 58

65,725

Methods of Producing Internal Motion in (Centrifugal)
Castings During Their Solidification, by S. E. Rosenfeld,
et al.

RUSSIAN, per, Lit Proiz, No 11, Nov 1957, pp 24-26.

Bratcher Tr 4270
\$5.75

Sci - Physics
Jul 58

66,281

Effets du mouvement de la phase liquide sur la
solidification des pieces moulees, by S. E.
Rosenfel'd, S. B. Yudin, M. M. Levin.

RUSSIAN to FRENCH, per, Lit Proiz, Nov 1957, pp 24-26.

CDS I.T.3425

Sci

Nov 61

Continuous Casting, by A. N. Myasodov. UNCL

RUSSIAN, per, Lit Prois, No 12, 1957, pp 1-4.

Co-op Tr Scheme 553

Sci - Engineering
Mar 59

82, 038

On the Diffusion of Mg in Fe, by I. L. Mirkin.
RUSSIAN, per, Litaynoye Proizvodstvo, No 12, 1957,
pp 13-16.
*CFSTI IT 70-59085

Sci-
June 70

Influence of Bismuth and Boron on Shortening
of the Annealing Cycle of White Iron, by
I. F. Kurtev, V. A. Zakharov.

RUSSIAN, par, Lit Proiz, No 12, 1957, pp 20-21.

BCIRA 925

Sci

Jun 63

Mechanization of Production Lines for Shell
Casting, by F. I. Smirnov, M. M. Budylin.

RUSSIAN, per, Lit Proiz, No 1, 1958, pp 3-7.
3

LSB-104

Sci
Sep 61

169,358

The Use of Vibration During Solidification for
the Elimination of Hot Shrinkage Cracks,
by I. I. Novikov, G. A. Korol'kov, A. E. Semenov.
UNCL

RUSSIAN, per, Lit Prois. No 1, 1958, pp 7, 8.

HB 4753

Aluminium Lab, Ltd.

B-TM-233-59

OT/3598

Sci - Mkt/Mkt; Phys
Sep 59

96,780

Casting of Cast Iron Parts Under the Action of
Ultrasonics, by N. P. Nikolaychik, Ye. N.
Nikolaychik.

RUSSIAN, per, Lit Press, No 2, 1958, p 25.

OTIA Tr 32

Sci - Engr

HC 5295

Sep 59

97,355

Technical Properties of Dio-Processed Glass Fibers
by G. K. Godevanishvili, R. B. Zvanitskaya.

RUSSIAN, per, Lit Profile, No 3, Mar 1958, pp 10,
11.

Henry Bruchner 4335
\$2.80

Sci - Min/Net
Oct 58

75, 723

Vaschenko, K. I. and Golovan, N. A.
THE COMPOSITION AND STRUCTURE OF DECAR-
BURISED AND TRANSITION ZONES IN ANNEALED
IRONS. Jan 60.
Order from MT 4 104 MT Trans-30

Trans. of Liteinoe Proizvodstvo (USSR) 1958, no. 3,
p. 16-20.

DESCRIPTORS: Iron, Steel, Microstructure.

BCIRF 923

(Metallurgy--Ferrous Metals. TT, v. 6, no. 6)

61-22783

I. Vaschenko, K. I.
II. Golovan, N. A.
III. MT Trans-30
IV. Tollemache, M. de O.
(Gr. Brit.)

176641

Office of Technical Services

Some Factors Affecting the Hot Tearing of Steel
Castings, Part III. Absorption of Contraction and
Expansion of Castings by Molding Sand, by A. M.
Liang, Chen Yao-huo.

USSIAN, per, Lit Proiz, No 4, 1958, pp 19-23.

HB 4865

ed. - Engr

pp 60

127,038

CASTING IRON IN ALUMINUM ALLOY POLAR CASTING,
by N. E. Pasternak, V. I. Shurupov, N. A.
Kosenko.

RUSSIAN, per, Lit Proiz, No 4, 1958, pp 24-25.

LSB-107

Sci
Sep '61

169,120

RUSSIAN 76 FRENCH
OTS 77-62-28240

Modification of Heat-Stable Alloys With an
Al-Si Base, by T. I. Orlova, 11 p.

RUSSIAN, per, Liteynoye Proizvodstvo, 1958, No 4,
pp 31-32.

SLA 62-17623
SLA 59-17623

Sci
Feb 60
Vol 2, No 9

107,089

Influence of Vibrations on Metal Properties,
by V. A. G. Gerkovskiy. USSR.

RUSSIAN, per, Lit Proiz, No 5, 1958, pp 19-21.

BISX 1115

(13 150.04.)

Sol - 11/10/58
Doc 59

101,457

The Formation of Spheroidal Graphite and
Progress in High Tensile Iron Technology,
by B. S. Milman.

RUSSIAN, per, Lit Proizv, No 6, 1956, pp. 11-17.

ECIRA 7

Sci
Jun 53

Effect of Steel Composition on Hot Tearing
in Castings, by M. A. Trubitsyn, P. H.
Baidulya. UNCL

RUSSIAN, per, Lit Proiz, No 6, 1958,
pp 22-26.

... BISI 1538

(L5 15a.0d.)

Sci - Min/Met; Engr
Mar 60

109,414

Procedure for Casting Under Vacuum, by H. L.
Zaslavskiy.

RUSSIAN, Izv, 1st Proiz, No 7, 1958, pp 6-8.

EE 461A
/2

Sci - Eng

L56-161

Feb 60

108,507

Resistance of Cast Steel to Hot Tearing and Ways
of Improving It, by N. S. Kromchenkovskiy, M. P.
Doroshin.

RUSSIAN, per, Litening Proizvodstvo, No 7, 1959,
pp 17-21.

ED 4633

Sci - Min/Mat, Eng

Nov 59

100,353

New Process for Production of Alloys, by C. I.
Pogodin-Alchayev, V. V. Zabolneyev-Zotov.

RUSSIAN, per, LIT Proiz, No 7, 1958, pp 25, 26.

181
HB 4779

probably *ATIC MOL-204/111

Sci - Min/Mos

Apr 60

114, 273
AEC NP-6-529

Substitutes for Ethyl Silicate, by A. A.
Kotovskikh. UNCL

RUSSIAN, ger, Lit Prois, No 9, 1958, p 32.

SLA 60-19014
DSIR LJO ITS 1473

(28. 64.)

Sci - Chem

Apr 60

113,013

Graphite Casting Molds, by M. N. Sosnenko, 4 pp.
RUSSIAN, per, Lit Proiz, No 10, 1958, pp 6, 7.

OTIA Tr 34

Sci - Engineering
Jan 60

105,917

PS: CR-2694

(2087-N)

Certain Problems on the Theory of Alloying Special
Cast High-Alloys, by Yu. A. Nekhendzi, 10 pp.

RUSSIAN, per, Liteynoye Proizvodstvo, No 10, Moscow,
Feb 1958, pp 23-28.

OTB 50-13411
US JPRS L-635-N

USSR
Econ
Feb 59

7-10-1958
81,565

62-29268

Landa, I.
SUSTITUCION PARCIAL DEL COKE POR LIGNITO
EN LA HORNADA DE UN CUBILOTE DE SOPLADO
CALIENTE (Chastichaya Zamena Koksa Buryem Uglem v
Shikhze Vagranki s Pologrevom Dut'ya) (Partial Substi-
tution of Lignite for Coke in the Furnace Charge of Hot
Blown Smelter). Sp. CID: 62-268.
Order from OTS, ETC or CID \$0.80 62-29268

Trans. in Spanish of Liteinoe Proizvodstvo (USSR) 1958,
no. 10, p. 31.

DESCRIPTORS: Fuels, Coke, *Lignite.

(Metallurgy, TT, v. 10, no. 8)

- I. Landa, I.
- II. CID-62-268
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

DC-2452

The Comparative Economics of Smelting Open-Hearth
and Electric-Furnace Steel in Foundry Production, by
H. S. Sechko, 9 pp.

RUSSIAN, per, ^yLitaknoye Proizvodstvo, No 11,
Moscow, Nov 1958, pp 4-6.

US JPRS/DO-IL-1333

USAN
Econ
Jan 59

78,775

Noskov, B. A., Rozenberg (Yu), G. and others.
COKE-GAS CUPOLA FURNACE [Koksogazovaya
Vagranka]. [1960] 12p. (foreign text included).
Order from LC or SLA ml\$2.40, ph\$3.30 60-18349

Trans. of Liteynoye Proizvodstvo (USSR) 1958, no. 11,
p. 14-15.

A cupola is described in which normal conditions for
gas burning and reduced coke expenses were obtained
by reducing the number of tuyeres from 6 to 4.

(Metallurgy--Ferrous Metals, TT, v. 5, no. 3)

60-18349

1. Cupola furnaces--Design
- I. Noskov, B. A.
- II. Rozenberg, Yu. G.

143,047

Office of Technical Services

Desulfurization of Liquid Cupola Iron by
Magnesium, by B. S. Milman, et al.

RUSSIAN, per, Lit Proiz, Vol IX, No 11, 1958,
pp 15-17.

Brutcher 4518

Sci - Min/Met

Jun 59

90,033

On the Desulfurization of Liquid Iron With
Magnesium, by V. I. Lakovskiy.

RUSSIAN, per, Lit Prois, Vol X, No 11, 1958,
pp 18.

Henry Bratcher 4519
\$2.50

Sci - Chem

May 59

86,595

Furnace [Specifically, Deoxidizing] Practice for
Steel Casting, by N. N. Dobrokhov.

RUSSIAN, per, Lit Proiz, Vol IX, No 12, 1958,
p 8.

HB 4945

Sci - Chem - Deoxidizing

Mar 61

145,053

Shrinkage Phenomena in Continuous-Cast Steel, by
V. G. Ruten, V. A. Leites.

RUSSIAN, Engl., Lit. Probl., Vol IX, No 12, 1958,
pp 10-12.

Henry Bratcher 4554
\$8.60

Sci. & Eng.

May 59

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A. For a Better Organization in Scientific
Research and Structural Design Work, 4 pp. 36-1141

RUSSIAN, Eng, Lit Proiz, Jan 1959, p 1.

ACSI, E-6054

Sci - Misc

Jan 60

106,184

B. Factors Determining the Amount of Mould
Taper on Patterns; C. New Technological
Methods in Studying the Fluidity of Metals and
Formation of Shrinkage Cavities; E. E. Cryolite,
An Effective Flux in Brass Smelting, 28 pp.

19

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20 2.40241

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Sci - Min/Met

C. DSA 224 RTS 1511

Jan 60

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Gorshkov, A. A., Markhasov, B. I. and others.
MEJORA DE LA CALIDAD DE ARENAS DE MOLDEO
POR ADICION DE PEQUEÑAS CANTIDADES DE SALES
(Uluchshenie Kachestva Formovochaykh Smesei Putem
Vvedeniya Malykh Dobavkov Solei) (Improvement in
Molding Sands Characteristics Through the Addition of
Small Amounts of Salts). 27p. 6 refs. CID:62-267.
Order from OTS, ETC or CID \$1.01 62-29267

Trans. in Spanish of Libros Proizvodstvo (USSR)
1959, no. 2, p. 34-38.

DESCRIPTORS: Effectiveness, *Molding materials,
Additives, Salts, *Sand.

(Metallurgy, TT, v. 10, no. 8)

62-29267

- I. Gorshkov, A. A.
- II. Markhasov, B. I.
- III. CID-62-267
- IV. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Grain of Solidifying Metal Refined by Vibration,
by I. I. Novikov.

RUSSIAN, per, Lit Proiz, No 2, 1959, p 42.

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Sci - Min/Met

Jan 59

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ACBI E-4974
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Mar 61

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62-12149

Turbovskii, M. M.
MODIFICATION OF CAST IRON BY ADDITIONS OF
MOLTEN STEEL. [1961] 6p.
Order from ATS \$8.40

ATS-07N56R

Trans. of Litcinoe Proizvodstvo (USSR) 1959, no. 3,
p. 4-7.

DESCRIPTORS: *Cast iron, Processing, *Steel, Melt-
ing, Additives.

K-1343

(Metallurgy--Ferrous Metals. TT, v. 7, no. 4)

I. Turbovskii, M. M.
II. ATS-07N56R
III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

The Optimum Composition of Alloy Al for Casting
Pistons, by D. P. Lovtsov, 11 pp.

RUSSIAN, per, Lit Prois, No 3, 1959, pp 12-14.

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Sci. Min/Mat

Dec 60

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Use of Steel Molds (in Conjunction With Sand
Cores) for Large Steel Castings, by S. I.
Smolenskiy, N. N. Guglin, G. F. Zasetskiy.

RUSSIAN, per, Lit Proiz, No 3, 1959, pp 23-26.

HB 4849

Sci. - Min/Met

145, 048

Feb 61

CAUSES OF SATURATION OF METAL-MOLD SURFACES WITH
SULFUR, BY YU. L. LITVAKOVSKAYA, YU. P.
BARDACHEV,

RUSSIAN, PRE , LIT PROIZ, NO 3, 1959,
PP 29, 30.

HB 5680

SCI - MIN/MET
OCT 62

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Heat Resistant Enamel Coating Stable to the
Action of Molten Aluminium, by G. V. Kukolev,
V. N. Tarasenko.

RUSSIAN, per, Lit Proiz, No 3, 1959, pp 45, 46.

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Sci - Chem

Oct 60

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Morozov, V. N. and Yaropolov, I. N.
CUPOLA BOREHEARTH HEATED BY GASES DI-
VERTED FROM TUYERE ZONE. Sep 61.
Order from HB \$2.25 HB-4624

Trans. of Liteinoe Proizvodstvo (USSR) 1959, no. 3,
p. 46.

DESCRIPTORS: USSR, *Cupola furnaces, Design,
Coke, Heat production, Coal gas.

(Metallurgy, TT, v. 6, no. 11)

61-25594

I. Morozov, V. N.
II. Yaropolov, I. N.
III. HB-4624
IV. Brucher, Henry, Altadena,
Calif.

Office of Technical Services

Cupola Forehearth Heated by Gases Diverted
From Tuyere Zone, by V. N. Morozov,
I. N. Yanopolov.

RUSSIAN, per, Lit Proiz, 1959, No 3, p 46.

HB 4624

Sci -Engt
Oct 61

Ways of Reducing Labour Consumption in the
Foundry Trade.

RUSSIAN, per, Lit Proiz, May 1959, p 1.

BISI 1986

USSR

Econ

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Inclusions (Black Spots) in Magnesium-Treated
Cast Iron in a Phosphoric-Chromic Acid Electrolyte,
by L. P. Zaitseva.

RUSIAN, per, Lit Proiz, No 5, 1959, pp 17,-18.

HD 4651

Sci - Min/Met

Nov 59

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Hydrodynamic State of Metal and Its Effect on the
Macrostructure of Centrifugal Castings, by N. N.
Reutov.

RUSSIAN, per, Lit Proiz, Jun 1959, pp 22-27.

*HB 4771

Sci - Min/Met
Jan 60

On the Mechanism of Modifying Some Aluminum
Alloys, by L. Kubichek, M. B. Mal'tsev, 9 pp.

RUSSIAN, per, Lit Proiz, No 5, 1959, pp 28-30.

ATIC NCL-4A6/III

Sci - Min/Mat

Dec 60

SEA 60-16782

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pp 28-30 — REC NP-1-535

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ATEC MCL-446/III

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ATIC MCL-246/III

Sci - Chem

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Refining the Structure and Eliminating Cracks
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A. D. Klinov, A. S. Astaulova, 7 pp. Castings

RUSSIAN, per, Lit Proiz, No 5, 1959, pp 33-34.

ATIC MCL-246/III

Sci - Min/Mat

Dec 60

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Transformation of Graphite Inclusions in Cast
Iron Saturated (in Solid State) With Magnesium,
by P. M. Tsvadze, M. A. Essen.

RUSSIAN, per, Lit Proiz, Vol X, 1959, No 6,
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HB 4713

Sci - Min/Met

Apr 60

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Hydrolysis of Protein of Histiocytoma in Carcinoma
Containing the Effect on Neuroendocrine, etc.
Kobayashi.

RUSSIAN, per, The Press, Vol X, No 6, 1959,
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HB 4771

Sci - Eng

Apr 60

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Press Forming of [Liquid] Steel, by
N. N. Rubtsov, et al.

RUSSIAN, per, Litainoe Proiz, No 7, 1959,
pp 17-18.

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Sci-Min/Lit
Jan 63

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61-14975

Fomichev, A. V.
STAMPING OF LIQUID METAL IN A ONE-PIECE
DIE. [1961] 7p. (5 figs. omitted) 3 refs.
Order from OTS or SLA \$1. 10 61-14975

Trans. of Liteynoye Proizvodstvo (USSR) 1959, no. 8,
p. 13-14.

Another translation is available from LC or SLA
mi \$1. 80, ph \$1. 80 as 61-10212 [1960] [6]p.

DESCRIPTORS: *Liquid metals, Casting, *Dies, *Metal
forming presses, Aluminum alloys.

1. Title: Stamping
2. Title: One-piece die
1. Fomichev, A. V.

108715

Office of Technical Services

(Machinery--Manufacturing, TT, v. 6, no. 2)

Tatanov, D. P. and Kuranova, N. V. THE PRODUCTION OF COMPLICATED ALUMINUM ALLOY CASTINGS BY PRESSURE DIE CASTING. Jan 60. Order from MT 1110s MT Trans-99 Trans. of Liteinoe Proizvodstvo (USSR) 1959, no. 8, p. 23. DESCRIPTORS: *Transmissions, Vehicles, *Aluminum alloys, *Aluminum castings, Dies, Metal forming presses (Machinery--Manufacturing, TT, v. 6, no. 5)	61-22784 I. Tatanov, D. P. II. Kuranova, N. V. III. MT Trans-99 IV. Tollemache, M. de O. (Gt. Brit.) 180549 Office of Technical Services
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GE-1

KURTOV I. F.

Production of mild steel with additions of bismuth and boron
Die Herstellung von mit Wismut und Bor modifiziertem
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Liteinoe Proizvodstvo, No. 8, 31-34 (1959)
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Double-Layer Shell Moulding for Iron Castings, by
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RUSSIAN, per, Lit Proiz, No 9, 1959, pp 14, 15.

*HB 4815

Sci - Engr
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Effect of Lithium on Form of Graphite in Cast Iron,
Tavadze, D. D. Ebanoidze, UNCL

RUSSIAN, per, Lit Proiz, Sep 1959, p 38.

HB 4762

Sci - Min/Met
Jan 60

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